

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P637560

Luminaire Tested: **IFLD-S-SA6B-727-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P637560
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-727-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (96) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26222.1 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 244.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



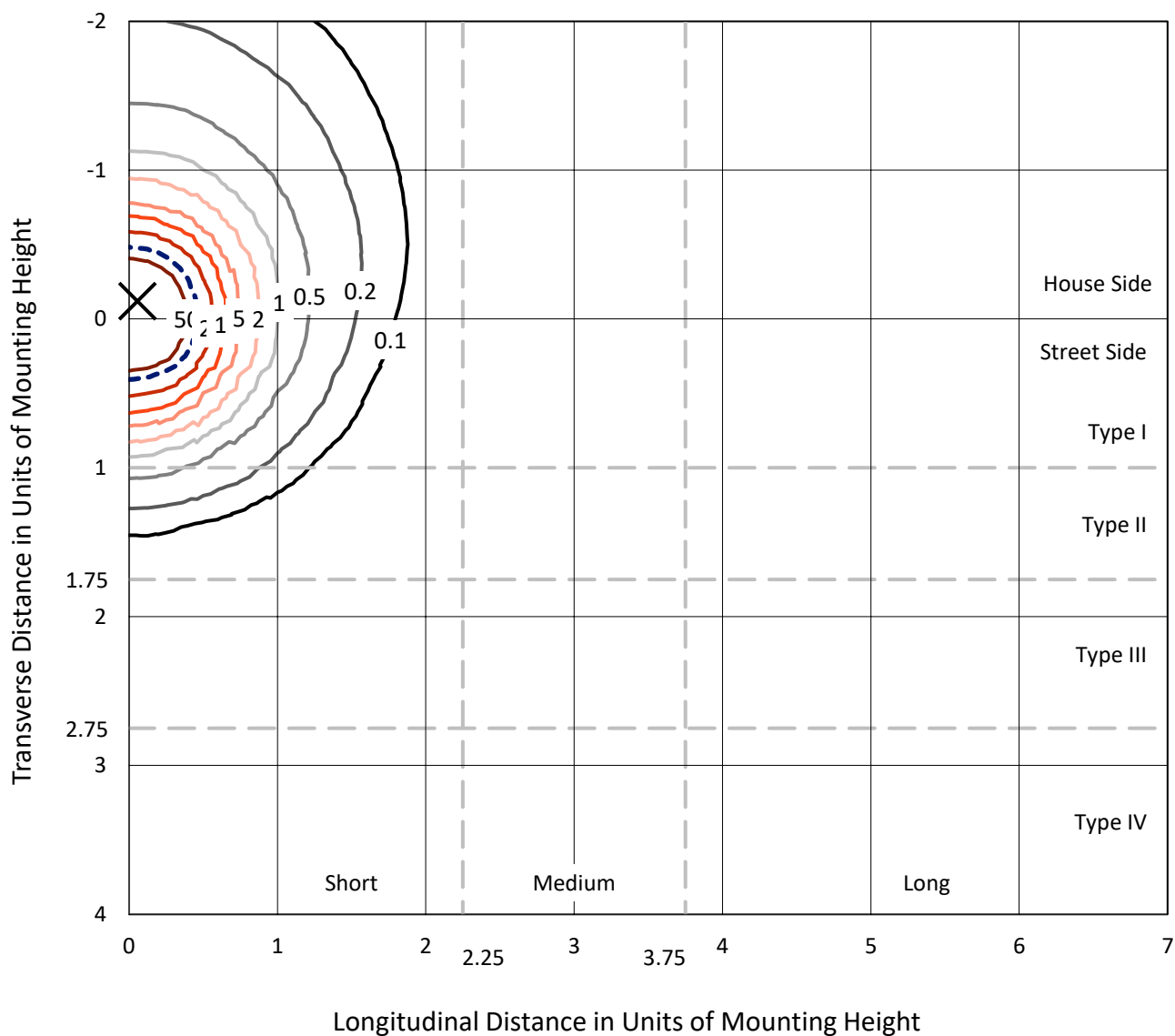
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

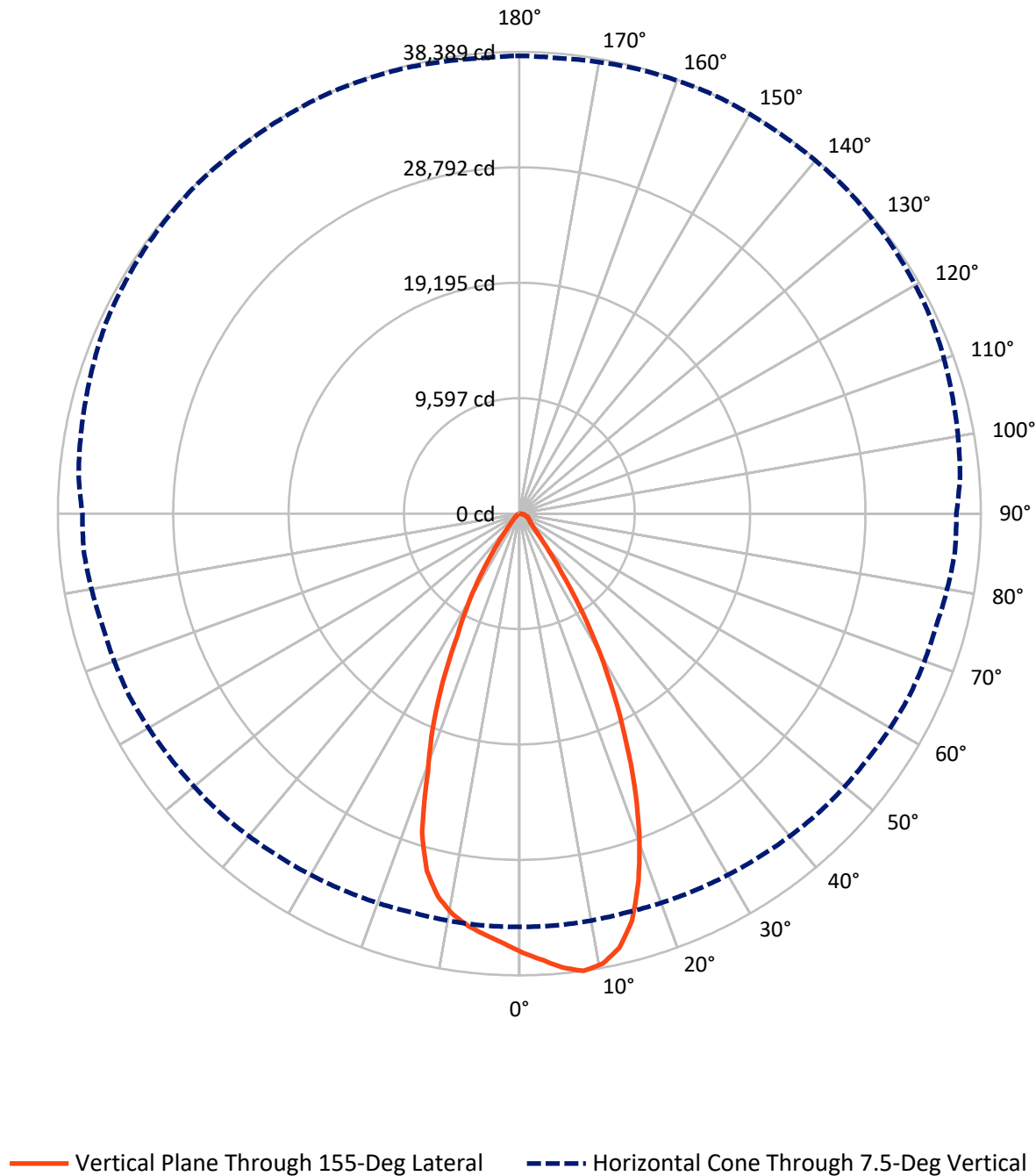


Based on 20 foot mounting height. Maximum calculated value = 92.8 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14475.6	0.0	14475.6
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	11746.5	0.0	11746.5
	% Fixture	44.8	0.0	44.8
Total	Lumens	26222.1	0.0	26222.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3483.3	13.3
10°-20°	9032.3	34.4
20°-30°	8276.1	31.6
30°-40°	3343.5	12.8
40°-50°	980.8	3.7
50°-60°	548.4	2.1
60°-70°	333.1	1.3
70°-80°	169.2	0.6
80°-90°	55.3	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	26222.1	100.0
0°-180°	26222.1	100.0

Coefficient of Utilization



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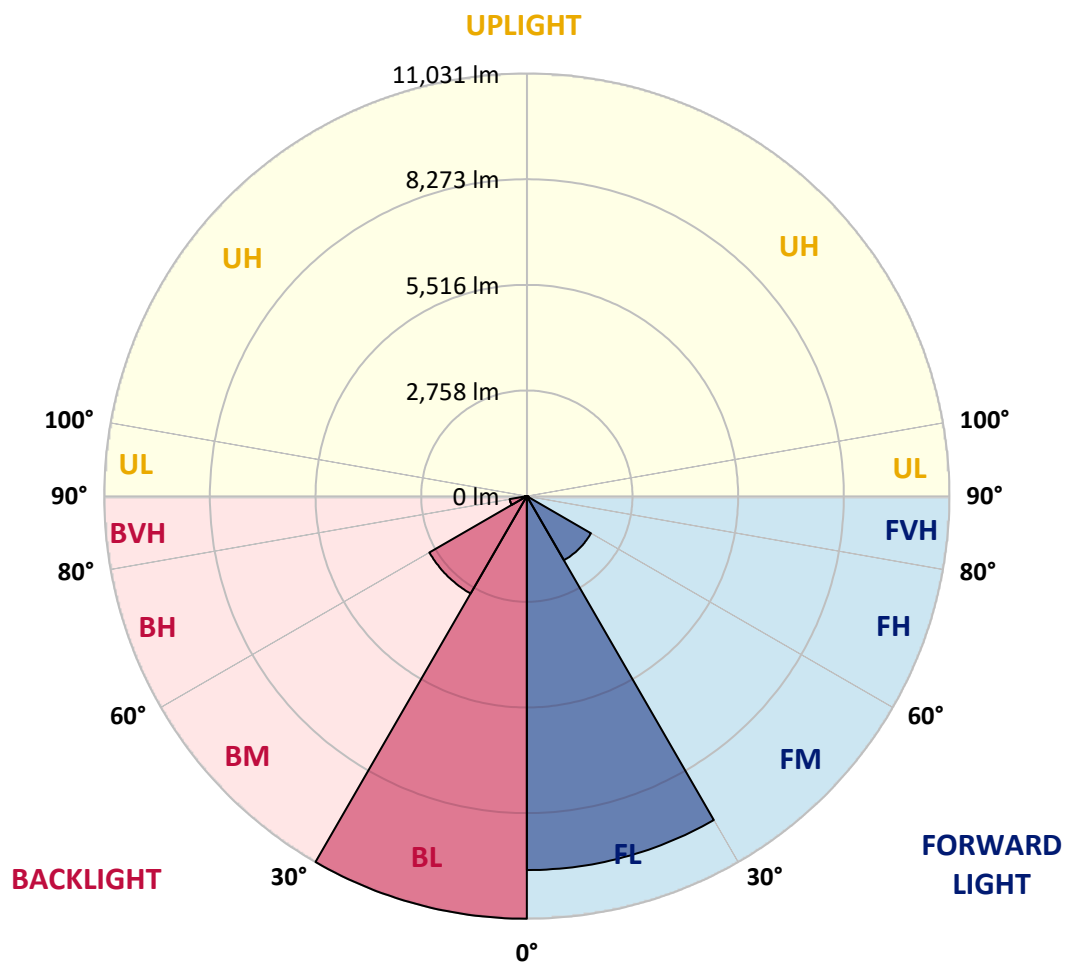
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	9760.5	37.2			
FM	(30°-60°)	1934.4	7.4			
FH	(60°-80°)	46.8	0.2			G0/660
FVH	(80°-90°)	4.8	0.0			G0/10
BL	(0°-30°)	11031.1	42.1	B5		
BM	(30°-60°)	2938.4	11.2	B3/5000		
BH	(60°-80°)	455.5	1.7	B1/500		G1/500
BVH	(80°-90°)	50.6	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	36529.4	36529.4	36529.4	36529.4	36529.4	36529.4	36529.4	36529.4	36529.4	36529.4
2.5°	35737.2	35858.2	35616.3	35776.5	35900.5	36196.8	36221.0	36323.8	36360.1	36629.2
5°	35059.9	35153.7	34957.1	35171.8	35347.2	35610.2	35812.8	36097.0	36254.3	36571.8
7.5°	34355.4	34376.6	34337.2	34564.0	34827.1	35189.9	35440.9	35812.8	35909.6	36363.1
10°	33502.7	33348.5	33424.1	33756.7	34149.8	34706.1	34878.5	35250.4	35422.8	35885.4
12.5°	32142.0	32220.7	32126.9	32550.2	32876.8	33508.8	33690.2	34065.1	34394.7	34802.9
15°	30225.0	30179.6	30370.1	30699.7	31053.5	31555.4	31848.7	32256.9	32507.9	32931.2
17.5°	25916.2	26070.4	26856.6	27682.1	28407.8	28994.4	29345.1	29683.8	29865.2	30324.8
20°	22381.5	22188.0	22293.8	22759.5	24824.7	25722.7	26091.6	26173.2	26248.8	26611.7
22.5°	18429.5	18366.0	18719.8	19242.9	19732.7	21804.0	22305.9	22115.4	22272.6	22614.3
25°	13685.3	14005.8	14320.3	15324.2	15959.1	16975.1	17927.6	18012.2	18069.7	18284.4
27.5°	11139.3	11027.5	11021.4	11302.6	12240.0	13086.6	13897.0	14084.4	14051.2	14256.8
30°	8756.7	8720.4	8593.4	8659.9	8566.2	9319.1	9700.1	10471.1	10428.8	10434.8
32.5°	6316.5	6180.5	6129.1	6228.8	6132.1	6062.5	6395.1	7266.0	7250.9	7311.3
35°	3822.0	3803.8	3846.2	3933.8	3740.3	3734.3	3803.8	4623.3	4723.0	4819.8
37.5°	2110.5	2092.4	2125.7	2449.2	2385.7	2328.3	2346.4	2778.8	3066.0	3138.6
40°	1390.9	1387.9	1412.1	1469.5	1578.4	1557.2	1566.3	1759.8	2031.9	2095.4
42.5°	931.3	934.3	949.4	1016.0	1031.1	1139.9	1121.8	1167.2	1421.1	1475.6
45°	743.8	740.8	749.9	719.6	737.8	849.7	861.8	864.8	1082.5	1115.7
47.5°	586.6	586.6	595.7	556.4	547.3	616.8	680.3	689.4	864.8	910.1
50°	411.2	411.2	456.6	438.4	459.6	480.8	550.3	559.4	707.5	755.9
52.5°	302.4	308.4	314.5	317.5	387.0	384.0	444.5	486.8	535.2	619.9
55°	229.8	235.8	220.7	235.8	287.3	320.5	332.6	393.1	426.3	520.1
57.5°	151.2	166.3	154.2	181.4	193.5	247.9	266.1	323.5	344.7	426.3
60°	21.2	24.2	39.3	127.0	136.1	163.3	205.6	257.0	278.2	347.7
62.5°	3.0	3.0	9.1	21.2	90.7	108.9	154.2	178.4	205.6	260.0
65°	0.0	0.0	3.0	6.0	18.1	63.5	78.6	96.8	142.1	187.5
67.5°	0.0	0.0	3.0	6.0	9.1	21.2	33.3	63.5	81.6	130.0
70°	0.0	0.0	3.0	6.0	9.1	12.1	18.1	24.2	48.4	75.6
72.5°	0.0	0.0	3.0	6.0	9.1	12.1	15.1	18.1	21.2	48.4
75°	0.0	0.0	3.0	6.0	9.1	15.1	18.1	18.1	18.1	21.2
77.5°	0.0	0.0	3.0	6.0	12.1	18.1	21.2	18.1	15.1	15.1
80°	0.0	0.0	3.0	9.1	15.1	21.2	24.2	18.1	12.1	9.1
82.5°	0.0	0.0	3.0	9.1	15.1	21.2	24.2	21.2	12.1	9.1
85°	0.0	0.0	3.0	9.1	12.1	15.1	24.2	21.2	12.1	6.0
87.5°	0.0	0.0	0.0	3.0	3.0	6.0	12.1	9.1	6.0	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
36529.4	0°	36529.4	36529.4	36529.4	36529.4	36529.4	36529.4	36529.4	36529.4	36529.4
36623.2	2.5°	36895.3	37031.4	37270.2	37336.8	37542.4	37306.5	37176.5	37188.6	36907.4
36532.5	5°	36895.3	37206.7	37624.0	37823.6	37974.8	37962.7	37929.4	37844.8	37639.1
36351.0	7.5°	36798.5	37306.5	37881.0	38147.1	38328.5	38313.4	38389.0	38253.0	38002.0
36027.5	10°	36487.1	36928.6	37636.1	37853.8	38147.1	38153.2	38059.4	38086.6	37639.1
34845.2	12.5°	35507.4	35852.1	36472.0	36719.9	37076.7	37134.2	37031.4	36992.1	36568.7
32907.0	15°	33611.6	33811.1	34434.0	34682.0	35035.7	34987.3	35090.2	35047.8	34675.9
30288.5	17.5°	30838.8	30902.3	31555.4	31764.1	32096.7	32226.7	32072.5	32269.0	31948.5
26675.2	20°	26862.6	27204.3	27939.1	28259.6	28453.1	28685.9	28483.3	28704.1	28329.1
22290.8	22.5°	22829.0	23031.6	23696.8	24159.4	24519.3	24564.6	24489.0	24643.2	24138.3
18426.5	25°	18423.5	18759.1	19285.2	19890.0	20243.7	20461.4	20264.9	20364.7	20283.0
14290.1	27.5°	14531.9	14831.3	15227.4	15677.9	16210.1	16494.3	16337.1	16506.4	16107.3
10655.6	30°	10664.6	10815.8	11263.3	11741.1	12324.6	12669.3	12684.5	12856.8	12621.0
7465.5	32.5°	7520.0	7653.0	7928.2	8245.7	8802.0	9186.0	9125.6	9149.7	9004.6
4865.1	35°	4889.3	5067.7	5264.3	5415.5	5751.1	6174.4	6141.2	6110.9	6011.1
3199.1	37.5°	3268.6	3338.2	3447.0	3583.1	3800.8	4066.9	4154.6	4045.7	4003.4
2158.9	40°	2210.3	2331.3	2403.8	2506.7	2609.5	2833.2	2893.7	2872.5	2830.2
1511.9	42.5°	1569.3	1663.0	1753.8	1853.5	1908.0	2047.1	2165.0	2131.7	2113.6
1149.0	45°	1191.3	1276.0	1381.8	1457.4	1511.9	1593.5	1705.4	1717.5	1690.3
922.2	47.5°	955.5	1031.1	1115.7	1209.5	1273.0	1324.4	1421.1	1457.4	1439.3
777.1	50°	810.4	867.8	949.4	1043.2	1112.7	1158.1	1242.7	1282.1	1270.0
650.1	52.5°	689.4	759.0	834.5	913.2	997.8	1043.2	1121.8	1179.2	1170.2
538.2	55°	571.5	662.2	740.8	819.4	916.2	961.5	1031.1	1106.7	1091.6
456.6	57.5°	498.9	574.5	656.1	731.7	834.5	895.0	958.5	1037.1	1034.1
374.9	60°	417.3	492.9	583.6	647.1	755.9	840.6	898.0	979.7	985.7
284.2	62.5°	332.6	426.3	495.9	583.6	683.4	783.1	837.6	919.2	949.4
217.7	65°	247.9	350.8	429.4	517.1	610.8	722.7	771.0	852.7	882.9
157.2	67.5°	184.4	263.1	362.8	438.4	544.3	641.0	698.5	774.1	795.2
93.7	70°	139.1	202.6	302.4	368.9	477.7	556.4	613.8	671.3	698.5
63.5	72.5°	81.6	151.2	238.9	317.5	411.2	477.7	520.1	565.4	583.6
30.2	75°	57.5	114.9	187.5	263.1	332.6	387.0	426.3	465.7	483.8
15.1	77.5°	30.2	84.7	148.2	211.7	260.0	305.4	344.7	374.9	387.0
12.1	80°	18.1	60.5	120.9	166.3	199.6	238.9	278.2	299.3	296.3
9.1	82.5°	12.1	48.4	87.7	120.9	145.1	175.4	202.6	217.7	217.7
6.0	85°	9.1	33.3	60.5	93.7	96.8	120.9	127.0	142.1	145.1
6.0	87.5°	6.0	21.2	33.3	54.4	51.4	63.5	66.5	75.6	81.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
36529.4
36680.6
37705.7
38059.4
37509.1
36472.0
34793.8
31869.9
28298.9
24068.7
20231.6
16210.1
12663.3
9086.2
5923.4
3994.3
2836.2
2098.5
1687.2
1430.2
1266.9
1164.1
1091.6
1031.1
985.7
946.4
879.9
795.2
692.4
577.5
477.7
384.0
293.3
214.7
142.1
78.6
0.0

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